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Notice of Allowability	Application No.	Applicant(s)	
	10/003,378	PAZHYANNUR ET AL.	
	Examiner	Art Unit	
	Nguyen Ngo	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment of 2/23/2006.
 2. ☒ The allowed claim(s) is/are 1-4 and 13-15.
 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.


4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


CHAU NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION

Response to Amendment

This communication is in response to the amendment of 2/23/2006. All changes made to the Specification, and Claims have been entered. Accordingly, Claims 1-4 and 13-15 are currently pending in the application.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lalita W. Pace on 9/1/2006.

2. -Claim 1, lines 12-14, the phrase “,wherein V(N) is a next link-layer frame needed for sequential deliver of frames and V(R) is a next new link-layer frame expected;” has been changed to -- “,wherein V(N) is a frame number of a next link-layer frame needed for sequential deliver of frames and V(R) is a frame number of a next new link-layer frame expected; --.

3. -Claim 13, lines 8-9, the phrase “,wherein V(N) is a next link-layer frame needed for sequential deliver of frames and V(R) is a next new link-layer frame expected;” has

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been changed to -- ", wherein V(N) is a frame number of a next link-layer frame needed for sequential deliver of frames and V(R) is a frame number of a next new link-layer frame expected; --.

Allowable Subject Matter

4. Claims 1-4 and 13-15 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

5. Claims 1 and 13 are allowable over the prior art of record since the cited references taken individually or in combination fails to particularly disclose **setting V(N) to a next missing link-layer frame after a higher-layer packet boundary if V(B) is not an empty set, otherwise setting V(N) to V(R), wherein V(N) is a next link-layer frame needed for sequential delivery of frames and V(R) is a next new link-layer frame expected; and pushing all frames with sequence numbers up to V(N) up to the higher layer.** It is noted that the closest prior art, Sen et al. (US 6556556) discloses a method for limiting data packet transmissions within a digital mobile telephone communication network, where each point-to-point protocol data packet is divided into multiple radio link protocol frames. However, Sen et al. fails to disclose or render obvious to the above underline limitations as claimed.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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a) Rezaiifar et al. (US 7068658), Method and Apparatus For Resolving Ambiguity In Reception Of Multiple Retransmitted Frames.

b) Chang et al. (US 6920152), Apparatus And Method For Exchanging Variable-Length Data According To A Radio Link Protocol In A Mobile Communication System.

c) Cheng et al. (US 2003/0133408), Apparatus and Associated Method, For Communicating Frame-Formatted Data At A Selected QoS Level in A Radio Communication System.

d) Abrol et al. (US 7061913), Method And Apparatus For Delayed Frame Detection In Third Generation Radio Link Protocol.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen Ngo whose telephone number is (571) 272-8398. The examiner can normally be reached on Monday-Friday 7am - 3:30 pm.

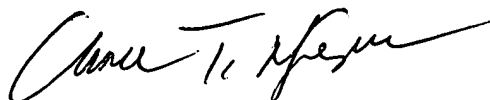
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

N.N.

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